

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Brian J. Smith

GENERAL INFORMATION:

Name:	North American Stainless
Address:	6870 Highway 42, Ghent, Kentucky
Date application received:	4/01/2005
SIC/Source description:	3312; 3316
Source ID #:	21-041-00034
Source A.I. #:	711
Activity #:	APE20050001
Permit number:	V-03-037 (Revision 1)

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input checked="" type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
X Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input checked="" type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY (FOR PROPOSED SOURCES AND MODIFICATIONS):

Pollutant	Actual (tpy)	Potential (tpy)
PM/PM ₁₀	0	228.7
SO ₂	0	2.44
NO _x	0	1144.6
CO	0	2598.6
VOC	0	253.1
Source wide HAPs	0	0.139

SOURCE DESCRIPTION:

North American Stainless, an existing PSD/Title V major source, submitted a permit modification application to its existing V-03-037 permit, and plans to expand the melt shop and modifying several of the downstream production lines. The plant is a PSD/Title V source because criteria air pollutants potential emissions exceed the major source thresholds.

North American Stainless is proposing to modify and expand its production rates with this application. The facility proposes to expand the melt shop capacity to 1.5 million metric tons by installing a second EAF and second AOD. The downstream operations will be expanded to include a new hot rolling line and to increase maximum capacity of other sources. The proposed modifications and all of the projects since the original melt shop are considered to be one continuous project since construction at the facility has not been completed prior the submission of the next application. This application is considered a major modification that is subject to the provisions of PSD regulation.

NAS has submitted the PSD application on April 1, 2004. This permit is being issued as a significant permit modification.